MEM SENIOR DESIGN Class of 2011-2012 Guest Lecture:
“Aviation a Century Ago”

by
Igor Sikorsky, Jr. Esq.
and Nikolai Sikorsky
February 10, 2012, 1:00 PM
UTEB Building – Room 175

Co-Sponsored by ASME UConn Student Section
and supported by MEM Society

*)http://en.wikipedia.org/wiki/Igor_Sikorsky
aviation development.
MEM 4915W Spring 2012 Class

(Picture taken on January 30, 2012)

From left to right:
First row: Prof. Zbigniew M. Bzymek, Matthew Ramos, Brittany Johnson, Vivian Pereda, Prof. Manuel Núñez

Second row: Eric Roche, Carmen Gambardella, Mari Rauseo, Kyle Bailey, Peter Tinari, Matthew Connelly, William Jaroszynski, Andrew Matrullo


Absent (not in the picture) – Brianna Barry, Mateusz Zyla
About the Speakers:
The aircraft inventor Igor Sikorsky had five children: Tania, Sergei, Nicholai, Igor and George*). In the scope of MEM 4915W spring 2012 invited lecturer Igor Sikorsky and Nikolai Sikorsky will present some works of their Great Father as seen from the family perspective.

A century ago the aviation looked differently than nowadays. Different materials and structures, different size, different engines. The body aircraft was built mainly of wooden frame covered by fabric and an engine attached in front or at rear. The ideas introduced by Igor Sikorsky were revolutionary in 20th Century aircraft design and especially the successful construction of a helicopter proved to be the beginning of the new era in aviation development.
About Igor Sikorsky Sr.
The Great Inventor

* Igor Sikorsky Born May 25, 1889 (1889-05-25) in Kiev, Russian Empire (today Ukraine)
* Died October 26, 1972 (1972-10-26) (aged 83) in Easton, Connecticut, USA
* Nationality: Russian American
* Alma mater: Imperial Russian Naval Academy
* Other universities attended: Kiev Polytechnic Institute, Ecole Techniques Aeronautiques et de Construction Automobile (ETACA)
* Occupation: Aircraft designer
* Known for the first successful helicopter
* Awarded National Medal of Science
* Awarded Wright Brothers Memorial Trophy
* Awarded Howard N. Potts Medal (1933)
* Pioneer of aviation in both helicopters and fixed-wing aircraft
* He designed and flew the world's first multi-engine fixed-wing aircraft, the Russky Vityaz in 1913, and the first airliner, Ilya Muromets, in 1914
* After emigrating to the United States in 1919, Sikorsky founded the Sikorsky Aircraft Corporation in 1923, and developed the first of Pan American Airways' ocean-conquering and several models of helicopters
* Source: [http://www.sikorskyarchives.com/]
Sikorsky Aircraft Corporation is an American aircraft manufacturer that was founded in 1925 by Igor Sikorsky, a Russian-born scientist, engineer, and pilot that immigrated to the United States in 1919. In 1929, Sikorsky opened its company headquarters in Stratford, CT. It was at this time that Sikorsky Aircraft became a part of United Aircraft and Transport Corporation, which is now known as United Technologies Corporation. In 1939, Sikorsky designed the Vought-Sikorsky VS-300, the first practical American helicopter. This design provided the foundation for the rotor configuration used in the helicopter industry today. Sikorsky later modified the design, and in 1942, developed the first stable, single-rotor, fully-controllable helicopter to be mass produced, known as the Sikorsky R-4. Today, Sikorsky Aircraft exists as one of the world’s leading helicopter manufacturers. Sikorsky has become a thriving, global company with operations on five continents and aircraft operating in more than 40 nations.

Source: [http://www.sikorskyarchives.com/]
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Greg Bachman 2010

Lauren Bagdasarian 2011
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Theodoulos Kattamis      Lakshman Thakur
Marty Wood
Bi Zhang

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Associate Professor
Dept. of Mechanical Engineering
School of Engineering
Manuel Nunez
Associate Professor
Department of OPIM
School of Business

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Presentation available at: